BBV SYSTEMS
WIR SORGEN FÜR SPANNUNG | WE STRESS FOR STRENGTH

Reference

E18 Knapstad-Retvet, Norwegen







SHORT DESCRIPTION

Tendons for a section of the E18 between Knapstad and Retvet

THE PROJECT

In autumn 2014 NCC was commissioned by Statens Vegvesen to rebuild an approx. 6 km long section of the E18 between Knapstad and Retvet, approx. 50 km southeast of Oslo.
The project contains 3 prestressed concrete bridges that were prestressed with the internal strand tensioning method of BBV Systems:

- the approx. 62 m long Skaug Bru with BBV L19 tendons
- the approx. 290 m long Hobolelva Bru with tendons BBV L27 and
- the Holt Bru, consisting of 2 superstructures with a length of 155 m and 195 m, both prestressed with BBV L19.

A proposal for optimization by BBV Systems with regard to the tendon guide, which NCC had submitted to Statens Vegvesen, was accepted and led to significant savings on the part of the client.

The first tendons were post-tensioned in mid-2015, and the BBV's work was completed in 2016.
With this project, BBV intensified its activities on the Norwegian infrastructure market.

SERVICES IN DETAIL

- Equipping the approx. 62 m long Skaug Bru with BBV L19 tendons
- Equipping the approx. 290 m long Hobolelva Bru with BBV L27 tendons
- Equipment of the Holt Bru, consisting of 2 superstructures with 155 m and 195 m length, both pre-tensioned with BBV L19

FACTS

Location	Knapstad , Norway
Status	completed
Start of construction	May 2015
Completion	December 2016
Building owner	Statens Vegvesen
Contracting entity	NCC Construction A/S
Planning	Statens Vegvesen

SERVICES

Post-tensioning system

Bridge construction